

Cracklin' Static

July 2021 Edition



**Zoom Virtual
meeting this
month See page
4....**

SNARS NET on DMR – Tuesday 8pm
DMR Talk Group: 31328 SNARS

SNARS Treasury Closing Balances

As of 6/28/21

Operating	\$8318
Savings	\$11518
Self Insurance	\$11309
PayPal	\$3507
Convention	\$4295
Total	\$38947

SNARS Membership as of 6/28/21

Extra	164	37%
General	146	33%
Technician	118	26%
Advanced	17	4%
No License	0	0%
License Expired	2	0%
Total	447	

SNARS ARRL Members

Regular	234	52%
Life	41	9%

PRESIDENT'S VOICE

President John Byerly, N7ROJ

Email: mtnlion@gmail.com



Greetings members!

Field Day is in the books. Many thanks to everyone who made it possible and fun! Some little glitches, but it was a great time and awesome to see all the people who came out.

The most memorable was listening to the young lady on 40 meters under the tutoring of Peter DeBay. She did great and made a few good QSO's.

In-Person Meeting update: Don Sherman W7SSB has been talking with Tama-

rack Junction about SNARS using their facilities for our meetings. It sounds promising, and if we can work out an arrangement, we will try to get our August meeting in-person. More to come later.

Much like Field Day, SNARS doesn't run without all of us working together. I want to thank each and every one of you who do what they can to make our club what it is. I tip my hat to all of you!

I would like to also pass along a special HAPPY ANNIVERSARY to our **Cracklin' Static** editor Howie WB2AWQ and his wife Sue. 50 years! That is an outstanding achievement!

See you on our July Zoom meeting. Until then, good DX!

John/N7ROJ



PO BOX 7727 Reno NV 89510
 Yearly Dues: \$40.00 Individual • \$50.00 Family
 775.453.4142 <http://snars.org>

2020 Officers

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 Vice-President.....John Miller N7JDM
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 Secretary.....Anthony Marcin, W7XM
 DirectorWes Vick, KG7QXE
 DirectorJim Shepherd, W6US
 DirectorBarry Bettman, K6ST

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Cracklin StaticHowie Holden, WB2AWQ
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 KR7ENO Trustee.....Howie Holden, WB2AWQ
 Control OperatorPat Sheehan, W7DED
 Youth Involvement.....Barry Bettman K6ST
 NVQSO Coordinator.....Jim Shepherd, W6US
 HistorianJon Fox, KF7KTC
 Tech Team LeadPat Sheehan, W7DED
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 PIOGreg Krantz, NT7Q
 VE Coordinator.....Krystal Rhoades, AJ6GC
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 DMR Net ManagerAnthony Marcin, W7XM
 Reno Ham SwapVacant
 WebmasterErik Andreasen, K6CZH
 Club Sales Manager.....Julie Dodge, N7JWL
 Recording Secretary.....Doug Edmondo, W7DBE

Cracklin Static Publication

Editor: Howie Holden WB2AWQ - holden7471@msn.com

Cracklin' Static is the Newsletter of, and sponsored by the Sierra Nevada Amateur Radio Society. Published the week before meetings. Opinions expressed herein are those of the editors and contributors and should not be considered as official expressions of the Club Officers, Staff or Club Members, or as endorsements by same.

Material for publication may be edited to enhance readability or to save space. We reserve the right to use whatever font size, line spacing or other tools as may be required to publish this Newsletter. **Deadline for input to the newsletter is 1500 hours on the Sunday** prior to the 1st Saturday of each month.

SNARS Wide Area Linked System

147.030 + PL 123.0	Sparks, Fernley, Fallon	Online
147.210 + PL 100.0	Reno, Sparks	Online
147.150 + PL 123.0	Lake Tahoe, Truckee, Carson	Online
146.925 - PL 123.0	Lovelock, Fallon	Online
146.670 - PL 123.0	Winnemucca	Online
444.875 + PL 100.0	Yerington	Online
444.125 + PL 123.0	Reno Sparks	Offline

DMR Systems

444.925 + CC 1	Reno, Sparks	Online
444.825 + CC 1	Dayton, Fallon, Carson	Online
443.925 + CC 1	Lake Tahoe, Truckee, Carson	Online
443.950 + CC 1	Incline Village	Online
442.875 + CC 1	Sparks, Fernley, Fallon	Online
442.850 + CC 1	Downtown Reno	Online
441.950 + CC 1	Fallon, Fernley	Offline

Fusion Systems

146.610 - PL 123.0	Reno, Carson, Dayton	Online
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IRLP / EchoLink Systems

147.300 + PL 123.0	Reno, Sparks	Online
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Packet / APRS

145.050 - RNO	Reno, Carson, Dayton	Online
145.050 - ROSE	Lake Tahoe, Truckee, Carson	Online
144.390 - TOULON	Lovelock, Fallon	Online

Standalone Systems

147.390 + PL 100.0	Reno, Carson, Dayton	Online
443.075 + PL 123.0	Reno, Carson, Dayton	Online
927.0875 + PL 114.8	Reno, Carson, Dayton	Online



Online



Offline



Not Linked

Thank you to our Sponsors/Supporters



Weekday on the SNARS Linked System

147.030 + PL 123 – Sparks/Fernley
 147.150 + PL123.0 – Lake Tahoe / Truckee
 147.210 + PL 100.0 - Reno
 444.875 + PL 100.0 - Yerington
 146.925 - 123.0 – Lovelock / Fallon
 146.67 – PL 123.0 - Winnemucca

Monday through Friday @ 12:00pm

Open to all amateur radio operators. A general informational net for the amateur radio community of Northern Nevada and Eastern California. Radio Checks and Questions are welcomed.

Nets on the SNARS Linked Systems

147.210 + 100.0 | 147.030 + 123.0 | 147.150 + 123.0
 147.670 – 123.0 | 146.925 – 123.0 | 444.875 + 100.0

ERC Net for NV and Northern CA	Monday @ 9:15pm
N. Western NV ARES Net	Thursday at 7:30pm
Northern Nevada Preppers Net	Wednesday @ 8:00PM
Hospital Net	Friday @ 10:00AM

Nets on IRLP (GSR) System

Repeater: 147.300 + 123.0

Amateur Radio Newslite	Monday - 8:00PM
Nevada Skywarn Net	Wednesday - 7:00pm
Nevada State ARES Net	Thursday - 7:00PM

Nets on Simplex/HF

Jefferson Noon Net	7.204 LSB	Daily - 12:00pm
6 Meter Net	50.350 USB	Tuesday – 8:00pm
2 Meter Weak Signal	144.250 USB	Wednesday - 8:00PM
2 Meter Simplex Net	146.500 FM	Thursday – 8:00PM
10 Meter Net	28.350 USB	Sunday – 2:00PM

SNARS Weekly DMR Net – Tuesdays
8:00PM

SNARS Talk Group 31328

Open to Members and Guests. A general information net each week on DMR.

SNARS CALENDAR

QCWA Nevada Chapter Sat, July 10, 11am – 12pm
Famous Dave's Bar-B-Que, 4925 Kietzke Ln, Reno

SNARS Board Meeting Wednesday, July 14,
6:00PM Location and mode Chin Chin, Sparks, and Zoom

HAM RADIO NIGHT on Zoom 7:00 PM July 19, see
<https://snars.org/hamradionight/>

Next months SNARS Breakfast Meeting – August 7
Location and media mode tentative depending on Board decision and local restrictions.

WELCOME NEW MEMBERS

As of June 25, 2021

Troy	Howell	KJ7ZMK
Kenneth	Kavanaugh	KJ7VGG
Randy	Larson	N7NHP
Deborah	Larson	N7PSN
William	Muhl	K6MGI
Deborah	Brazil	KJ7YAK

SNARS Virtual Monthly Meeting

SNARS (virtual on zoom conferencing) Monthly Meeting on
Saturday 7-3-21 8:00AM PDT

TOPIC:
AREDN

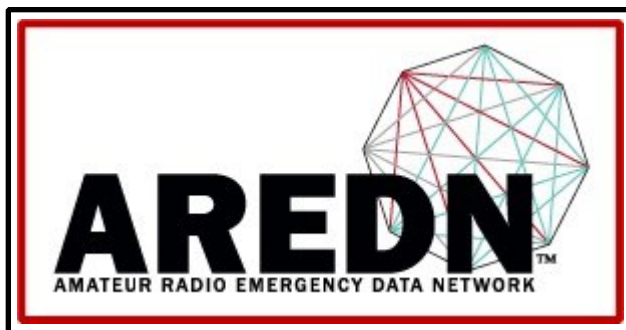
SPEAKER: ROB ROWLANDS, NZ6J



TO REGISTER go to:

<https://zoom.us/meeting/register/tJMpcuqtqjgtHtYNbVvYmncfrgJY1Auefa57>

Any questions, email Barry k6st@arri.net



Rob NZ6J has been a ham since 1963, first call ZL3TAR, graduated in EE in 1971. He worked in NZ Telecom and HP/Agilent/Keysight test equipment for 40 years, now semi retired but involved in teaching RF and selling part time. NZ6J Rob resides in Marin and Truckee, CA where he is active in Amateur Radio Emergency Data Network (AREDN) mesh project.

THE NAME OF THE GAME

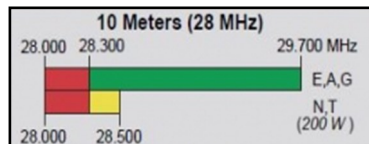
Jim Shepherd, W6US nvjims@gmail.com

LIFE BEYOND HANDHELDS



There is a whole world of ham radio besides 2 meter FM. There seems to be a lot of newer hams that think that ham radio is just being on the repeaters with a handheld. It wasn't too long ago when a VHF handheld was a luxury item purchased after your main HF station was set up and fully functional. A mobile radio for VHF was most hams starting point for the "line of sight" bands. All hams have some privileges on the HF bands. 6 meters is a transition band and currently is opening on virtually a daily basis to lots of areas not only in the US, but around the world. Every ham can use modes like FT8 on the 6 meter band.

10 meters is really the first of the HF bands. It is primarily open during the day, and when it is open, it will provide contacts around the world. Besides the immediate area, you usually will not be able to make contacts until you get out about 1200 miles. Sometimes when the ionosphere is doing interesting things, you will get back scatter and will be able to work stations in closer areas. All hams have privileges from 28.000 to 28.500 MHz. Antennas are easy to make, a simple dipole can be made with 2 pieces of wire, 8.25 feet long and fed in the middle with coax. You only need to get it about 17 feet off of the ground to be at a half wave, but higher is better. There are some 10 meter-only rigs out there for quite affordable prices and a good way for Techs to get started on HF. This band also allows the use of modes like FT8 to make contacts.



RADIO SHACK HTX-10 FOR EXAMPLE

For Technicians, there are CW only allocations on 15, 40, and 80 meters. You can work the world on these frequencies and you will quickly want to upgrade to get more. There are currently some petitions before the FCC to add limited voice privileges to these bands and that would really open up the world to these entry level hams.

The General class license gets you most of the spectrum. All of the WARC bands, 12, 17, and 30, all of the 160 meter band and the new 60 meter band are available, along with most of the remaining bands. In the appropriate band segments, you can use any of the allowable modulation methods including digital, video, FM, AM, CW and SSB as well as allowing the use of higher power. Upgrading to Extra gets the remaining bits of the ham spectrum.



ICOM IC-706 MKII \$400 USED

An all mode, all band radio will give you access to all this goodness. Relatively modern radios can be had used for as low as \$400 to the new, top of the line equipment at \$10,000 or more. The used equipment can give you the opportunity to try out the HF bands, and, if it doesn't work out, you can sell the equipment for

about the same price as you bought it for making it a low risk venture. Virtually all of the major manufacturers have a very good base station radios that also includes 6 meters for about \$1400 new. A good power supply will run an and with the additional wire antennas and on the air. Even if you have not upgraded your license yet, you can still listen on all these bands as well as talk on 10 and 6 meters.



Icom IC-7300 \$1300 NEW

The ARRL Antenna Handbook has lots of different designs for inexpensive wire antennas. There are stealthy ones for antenna restricted areas to huge ones that need some real acreage and multiple supports to deploy. Vertical antennas are also popular and there are commercial trap antennas for multiband operation that work quite well for those who have limited space or some antenna restrictions. Designing and using various antennas is a popular ham radio pastime.

There is also the possibility of operating a remote station. There are a number of operations out there that allow hams to access a HF station via the internet and have the full operational use of that station. Another way is to come to one of the club events where we are running HF like Field Day, and give it a try. You may have the opportunity to try several different radios and see a variety of different antenna systems. SNARS has scored well on the contests associated with these events and the more operators, the merrier.

Finally, when your ship comes in and you have a larger, antenna friendly home where you can put up a tower or two and additional antenna supports, you will be able to really make an antenna farm. A big multiband beam, or a collection of monobanders, will improve your signal and reception.



However you do it, get up on the HF bands and enjoy the fun.

MIKE'S MISSIVES CHAPTER FIFTY SEVEN

Mike Katz, N7MSK

FCC Part 97 Subpart A—General Provisions

§97.13 Restrictions on station location.

(a) Before placing an amateur station on land of environmental importance or that is significant in American history, architecture or culture, the licensee may be required to take certain actions prescribed by §§1.1305-1.1319 of this chapter.

(b) A station within 1600 m (1 mile) of an FCC monitoring facility must protect that facility from harmful interference. Failure to do so could result in imposition of operating restrictions upon the amateur station pursuant to §97.121. Geographical coordinates of the facilities that require protection are listed in §0.121(c) of this chapter.

(c) Before causing or allowing an amateur station to transmit from any place where the operation of the station could cause human exposure to RF electromagnetic field levels in excess of those allowed under §1.1310 of this chapter, the licensee is required to take certain actions:

(1) The licensee shall ensure compliance with the Commission's radio frequency exposure requirements in §§1.1307(b), 2.1091, and 2.1093 of this chapter, where applicable. In lieu of evaluation with the general population/uncontrolled exposure limits, amateur licensees may evaluate their operation with respect to members of his or her immediate household using the occupational/controlled exposure limits in §1.1310, provided appropriate training and information has been accessed by the amateur licensee and members of his/her household. RF exposure of other nearby persons who are not members of the amateur licensee's household must be evaluated with respect to the general population/uncontrolled exposure limits. Appropriate methodologies and guidance for evaluating amateur radio service operation is described in the Office of Engineering and Technology (OET) Bulletin 65, Supplement B.

(2) If the routine environmental evaluation indicates that the RF electromagnetic fields could exceed the limits contained in §1.1310 of this chapter in accessible areas, the licensee must take action to prevent human exposure to such RF electromagnetic fields. Further information on evaluating compliance with these limits can be found in the FCC's OET Bulletin Number 65, "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields."

SHORT TAKES (By Jim Shepherd W6US)

CONTEST CALENDAR

The State QSO Party season continues on July 31st with the Missouri QSO party. More information is at <https://www.contestcalendar.com/stateparties.html> In addition to the State contest, one of the best VHF events, the CQ VHF Contest, will be run on July 17-18. This contest is for ALL licensed hams—you can even enter with a handheld!!! Your handheld and a high location like a mountaintop can make a lot of contacts... This is a good opportunity to earn some 'wallpaper' as there have only been a couple of entries over the last couple of years... It is only on 6m and 2 meters, so it is a lot easier to operate than some of the other VHF/UHF contests. There are other contests at <https://www.contestcalendar.com/contestcal.html>

DX

There are lots of other stations who might be on the air from their home QTH operating as they are in the same situation that we are with Covid19. There are some operations starting to pick up. International travel is still impacted, so announced expeditions are very few... The Islands on the Air contest is July 24-25 and a good opportunity to pick up some rare ones. More information can be found at <https://www.ng3k.com/Misc/adxo.html>

THIRD MONDAY ZOOM HAM RADIO NIGHT

We will see our popular Ham Radio Nights via ZOOM to get your questions answered. It will be held at 7pm on Monday, July 19th. More information, including the link will be published before that date.

**NAME THAT
RIG and what
is the signifi-
cance?**

(Answer on page 9)



YOUTH INVOLVEMENT

JAMBOREE ON THE AIR (Scouting)

October
15 - 17, 2021

JOTA: October 15-17, 2021

Jamboree-on-the-Air provides the opportunity for millions of Scouts around the world to meet on the air via Amateur Radio. Get ready for the 2021 on-the-air event!



<http://www.arrl.org/jamboree-on-the-air-jota>

Any questions about youth Involvement, contact Barry K6ST - k6st@arrl.net
Nevada Section Youth Coordinator

HAM RADIO NIGHT

3rd Monday of each month at 7PM
PT on Zoom

The topic smaller breakout groups
will be:

Field Day Learning
Analog VHF/UHF
DMR/Fusion
DIY Projects

Each participant can move themselves around to different breakout topics in zoom conferencing to enjoy.

If you have any questions or would like to be of service as an Elmer,

please contact K6ST Barry k6st@arrl.net



Feel free to register for our next Ham Radio Tech Night, SNARS (virtual on Zoom conferencing) 7-19-2021 7:00p PT

<https://zoom.us/meeting/register/tJMsd6qgrzspGdS9wu5Dw4KnLa7layQFvl-w>

W7SSB's FUN STUFF

The history of SSB (Single Sideband Suppressed Carrier) dates back believe it or not dates back to 1915:

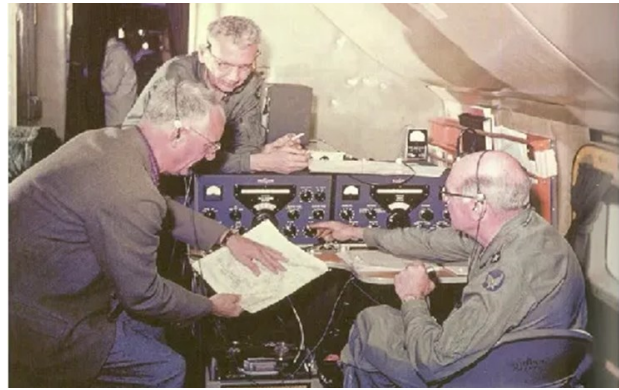
<http://www.pa3fwm.nl/technotes/tn15c.html>

Now you can see the difference in the terms of bandwidth:

<https://fas.org/man/dod-101/navy/docs/es310/SSB.htm>

Project Bird Call -

Art Collins used Project Bird Call to demonstrate the superior performance of single sideband in 1956. This experiment changed long distance HF communications forever.



Major leaps forward need champions. For single sideband, these were two U.S. Air Force Gen-

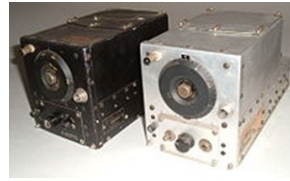
erals – **Curtis LeMay** and **Francis Griswald** on the customer side – and **Art Collins** on the vendor side. All three were active hams. General LeMay commanded the Strategic Air Command. He was looking for ways to improve HF communications with his B-52 Bombers. Butch Griswald was Lemay's number two. Art ran Collins Radio, a major supplier of military communications and avionics. Previously, Collins had invented the mechanical bandpass filter and permeability tuned oscillator. It turns out that these developments made SSB radio transmission practical for the first time.

Reliable long distance HF radio was critical to Strategic Air Command in the 1950's. In particular, LeMay wanted to be sure that he could recall his bombers if necessary if their mission was to be safely aborted. So the three designed an experiment. Collins ham SSB gear was installed in a C-97 aircraft. This B-29 bomber, converted for passenger use, then made two very long distance flights from the U.S. One flight to Asia, the other to Greenland. All along the way, they tested SSB with amateurs and military bases. Their goal was to make sure they could communicate with SAC headquarters at Offutt Air Base in Omaha.

General LeMay called the flights Project Bird Call – A Success for Single Sideband. LeMay's experiment was a big success. Project Bird Call clearly demonstrated the superiority of SSB over AM for long distance HF communications.

Collins installed off the shelf amateur radio gear for these tests, as shown above. The receivers were the venerable 75A4 receiver, and KWS-1 600 watt sideband transmitter. These flights comprised over 120 hours of flight time and made nearly 2,500 long distance radio contacts in the spring and summer of 1956.

Amateur Radio and SSB: When I first started listening to shortwave and amateur radio stations in the 50's I was using old 1930 and 40 radios I could find. I used to offer to clean out garages and cellars to find the old radios. The radios didn't have a BFO (Beat Frequency Oscillator) so I couldn't hear the SSB stations. Next came the old military command sets which I could buy for \$10.00 on the surplus market, they had BFO's.



<http://www.arrl.org/files/file/Technology/pdf/McElroy.pdf>

I Built power supplies from old tv chassis I got from a tv repair shop and brought home in my red wagon.

SSB took off in the late 50's and early 60's. Many manufacturers slowly switched from AM to SSB production. Some of the companies survived and many gradually went under!

We are going through another transition with the introduction of more and more digital modes. 6 meters is almost all FT8 right now. One of the early companies producing SSB equipment was SWAN Engineering started by Herb Johnson:

Herbert G. Johnson, W6QKI - Founder of **Swan Electronics** and **ATLAS** Radio Co



Herb Johnson was born November 10, 1920, in Pittsburgh, PA. The son of Swan and Ruth Johnson, he spent his childhood in Ashtabula, OH. A lifelong amateur radio enthusiast, he designed his first radio at age 14, and at age 15 earned his amateur radio operator's license.

After moving to Benson, AZ, he founded Swan Engineering (later, Swan Electronics) in 1961. Originally working by himself out of his garage, Herb created a line of radios that became a favorite of amateurs around the world. Herb chose the brand name "Swan" in memory of his father, whose name in his native land of Sweden, was Sven. Upon arrival in the USA, his name was Americanized to "Swan".

Swan Engineering grew rapidly, and its growth continued after Herb relocated the company to Oceanside, CA, in 1962. At its peak Swan produced as many as 400 radios per month.

Needing more capital and engineering resources for Swan's rapid expansion, the company merged with Cubic Corporation in 1967 and Herb continued managing the Swan subsidiary until 1973. The Swan line of equipment was mostly tube type design, and through the years more than 80,000 transceivers alone were sold. Many Swan radios remain in service today, a tribute to the quality that went into their design and construction.

Herb founded his second company, Atlas, in 1974. Atlas produced a line of compact, rugged radios that became very popular for mobile communications from cars and boats. Herb was particularly proud of the many explorers and adventurers who used Atlas radios to stay in touch with the outside world during their expeditions.

Until next time stay tuned !
Don W7SSB

FUN STUFF FOR JULY

July's major contests are relatively few, a natural outcropping of the summer holiday season. But it includes, for our neighbors to the north, the RAC Canada Day contest, and the Missouri QSO party. ARRL and NCJ sponsored contests are shown in **BOLD**.

1 July 0000 to 1 July 2359 1.8-144 RAC Canada Day Contest CW Ph www.rac.ca

10 July 1200 to 11 July 1200 1.8-28 IARU HF World Championship CW Ph www.arrrl.org/iaru-hf-world-championship

17 July 1800 to 18 July 0559 3.5-28 North American QSO Party, RTTY Dig Name, SPC www.ncjweb.com

17 July 1800 to 18 July 2100 50, 144 CQ Worldwide VHF Contest CW Ph Dig www.cqww-vhf.com

31 July 1400 to 1 Aug 2000 1.8-UHF Missouri QSO Party CW Ph Dig www.w0ma.org

A complete list of contests is at:

<http://www.arrrl.org/files/file/Contest%20Corral/2021/July%202021%20Corral.pdf>

If you're not into contests, there's always DX to chase! We're still seeing the effects of Covid-19, and July's pickin's are still slim. I've listed the better ones, including an interesting DXpedition to the Aleutian Islands chain, and one to Market Reef. Expect the lists to grow as we get out of Mr Pandemic, and check the link as the month wears on for more good stuff.....

Jun 27 to Jul 04	Market Reef	OJ0
Jun 30 to Jul 03	Alaska	KL7RRC
Jul 23 to Aug 03	St Vincent	J88PI
Jul 21 to Jul 26	Svalbard	JW0W

Check <https://www.ng3k.com/Misc/adxo.html> for updates on DXpeditions to make sure they're still a go!

RENO QRP SLOW SPEED CW NET

NEXT NET SESSION WILL BE July 7, 10 AM PDT. Target frequency 7.045 MHz, if busy search somewhere near that frequency.

THE FOLLOWING SHOULD ALWAYS BE IN YOUR REPORT
NAME, RST, LOCATION, RIG, POWER, ANTENNA.

REMEMBER TO INCLUDE RST IN YOUR REPORT

Feel free to add something else in your exchange.

Take some time to report RST for other OP's or anything else that comes to mind.

Sharing information about you and your equipment will accomplish two things.

First It gives you and everybody else practice sending and copying.

Second It is nice to spend time on the air with your friends. Consider this a QRP meeting on the air.

Relax and have some airtime fun with your friends.

73/72 Ed/WD7Y

NAME THAT RIG (from page 6)

The receiver shown is of special significance in that it was used in the **first ARRL Field Day in 1933**. W9AIW operating as W9NFV (the Federal Radio Commission, predecessor to the FCC, had different rules for portable operation back then) used the **Pilot D.C. Super Wasp** receiver for their Field Day effort, in which they made 52 QSOs with 26 sections for a score of 1352. This score got the 4 high school students 5th place in the individual scores. The **Pilot D.C. Super Wasp** was a kit receiver, available in either DC or AC form. It used plug-in coils for coverage from 14 meters (21.4Mc) to 500 meters (600Kc) in 5 bands. The **Super Wasp** was a TRF (tuned Radio Frequency) receiver with one stage of RF amplification, a regenerative detector, and two stages of audio. The tube lineup was a 222 RF amplifier, and 201As for the detector and audio stages. Controls were an antenna trimmer, RF stage input and output trimmers, detector tuning (frequency control), a regeneration control mounted on the side of the receiver, and a filament voltage rheostat. There was no volume control, and you can bet selectivity was really bad! Tuning this kind of receiver required lots of attention to all the tuning controls, usually a two-handed operation. Incidentally, the W9NFV team used a simple crystal controlled transmitter with three tubes, and just one crystal! The final was a badly overdriven 210, a 10 watt dissipation tube running 50 watts input.



Inside the Pilot Super Wasp Receiver

NEWSLETTER ARTICLES WANTED!

Just a friendly reminder that we're always seeking good articles for **Cracklin' Static**! If you've got a new project, homebrew construction, antennas, opinion, whatever, that's ham radio related, and you wish it to be published in Cracklin' Static, send it on! The only nos are articles critical of SNARS (you can take that up directly with the Board), or demeaning of other people. If you'd like to discuss the possibility of an article, or how to do it, feel free to contact me. Otherwise, let 'er rip! Send to: Howie Holden WB2AWQ, SNARS Cracklin' Static Editor at WB2AWQ@arrrl.net

ARES NEWS

EVENTS CALENDAR

EVENT 2021	DATE	DATE END	SPONSOR/ORGANIZER	COORDINATOR	CONTACT
Bear Growl Gravel Grinder	7/10/21		Plumas ARC	KJ6CUG	dltrotter@sbcglobal.net
Lost and Found Gravel Grinder SBTS	7/14/05		Plumas ARC	Larry Trotter KI6YUK	dltrotter@sbcglobal.net
Death Ride	7/17/21		Tahoe Amateur Radio Assn	Paul Gulbro, WA6EWV	wa6ewv@juno.com
Tahoe Rim Trail	7/16/21	7/18/21	Tahoe Mountain Milers	Bob Miller WA6MTY	wa6mtv@gbis.com
Trailblazer Challenge (two events)	Aug 7	and Aug 14	Make-A-Wish Foundation	Bob Miller WA6MTY	wa6mtv@gbis.com
Vegas to Reno Off Road Race	8/11/21	8/15/21	Best in the Desert Racing Assn	Keith KC7HTK	kc7htkeith@hotmail.com
Stetina Paydirt	9/11/21		John Prouty; Bike Monkey	Bob Miller WA6MTY	wa6mtv@gbis.com
Tour De Tahoe	9/12/21		Tahoe Amateur Radio Assn	Paul Gulbro, WA6EWV	wa6ewv@juno.com
Reno Air-Races	9/15/21	9/19/21	WC-ARES	Bob Miller WA6MTY	wa6mtv@gbis.com
Grinduro SBTS			Plumas ARC	Larry Trotter KI6YUK	dltrotter@sbcglobal.net
Nevada Day Parade	10/30/21		NV AREA NW DEC	John Abrott KD7NHC	jabrott77@gmail.com , cell 775 790-1739
Sparks Turkey Trot	11/25/21		WC-ARES	Bob Miller WA6MTY	wa6mtv@gbis.com

NOTE: Plumas ARC always have a need for operators. Go over to some beautiful country and help out the Plumas Amateur Radio Club

Are you a camper? **July 18- 19 is the Tahoe Rim Trail.**

The TRT 100 Mile Back Country Run consists of three runs, a 100 Mile, 50 Mile and 55 K Run starting in Carson City, North along the East "Tahoe Rim Trail" and back to Carson City. The run starts at 0600 Saturday morning and ends at 1600 Sunday.

OUR MISSION:

To provide clear, concise communications between aid station captains and event coordinators. To expedite emergency communications between aid stations, event coordinators, net control and emergency responders. To ensure a safe and enjoyable event and to support the awareness and growth of Amateur Radio in the community.

If you like to camp-out, we could use your help. Even if you do not have a portable station, we need a **minimum** of 2 Hams per aid station.

Most aid stations require 4WD except the Diamond Peak aid station, in fact you could bring a camping trailer or RV.

If you cannot camp out, can you operate during the day, Saturday, or Sunday? You can drive in and out of Diamond Peak Aid Station?

If you do have camping gear but do not have 4WD you could be teamed up someone who does and ride with one of them.

START FINISH (NCS) Carson City, Aid Stations: Hobart, Bull Wheel, Tunnel Creek, Diamond Peak, Snow Valley Peak, Red House.

NOTE: The START/FINISH has been changed from Spooner Lake to Carson City, South of the Western Nevada Musical Theater Company.

https://docs.google.com/spreadsheets/d/1xg5ltEgE0T28X3MGXOPfJmmPs_dLS4tEgMzqsHL4Pxc/edit#gid=0

* * * * *

Mark your calendar 9/15-9/19 2021 is the schedule for the Reno Air Races unless it is cancelled because of COVID.

We help with security, checking passes of people going to the PITS which where the race teams prepare the planes for their races or checking passes of people going into the grandstands.

If you want FREE access to the Air Races, I have two options:

For full access to everywhere the public goes including free parking, help with 16 hours volunteer time and you will be able to **attend any time during the week**. Many times, we help with security the entire week so you can spread the 16 hours over several days.

The second option, for people that cannot put in 16 hours of volunteer time, volunteer four hours, you can get a **one-day pass**, full access to the race including parking.

Anyone over 18 can help, you do not have to be a Ham or a member of ARES.

Just contact me Bob WA6MTY and I will keep you up to date.

Washoe County ARES Emergency Coordinator, Bob Miller, WA6MTY WA6MTY@wcares.us Wa6mtv@GBIS.COM Tel (775) 843-5952

CALL FOR FIELD DAY PIX, INFO!

No matter what you do for Field Day—at home, in the bush, no matter how fancy or minimalist, or with SNARS at Washoe Lake, be sure to send me photos, stories, etc of your operations! All info I get by July 15 will be included (subject to minimal editing) in the SNARS **Cracklin'**

Static Summer Special Edition! All Field

Day tales welcomed! The Summer Special will be out before the end of July!

Send your photos and stories to Howie WB2AWQ:

WB2AWQ@arrl.net



NEW HAM RADIO OUTLET STORE SACRAMENTO!

4813 Auburn Blvd, Sacramento CA 95841 phone 877-892-1745 NOW OPEN!



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ANOTHER VIEW FROM ACROSS THE PACIFIC

This month, nothing about amateur radio from me, but more on my life outside of the U.S. For me, life here in the provinces is so different from what I hear is often expected. It is not like the usual ideas most Americans might have. American views of island life seem heavily influenced by experiences at travel destinations such as Hawaii, Caribbean islands, and also by exotic island romance movies. Holiday localities and tourist spots are what is expected, and most visitors would find their expectations met, even here in the Philippines for those kind of destinations. But everyday life is actually a lot like you might find in the states. In the provinces it is very much like the United States in the late 1950s and early 60s, with modern technology and an Asian touch layered on top of it all. Most of the younger people speak fluent English, and the older people understand it pretty well. There are other differences that can be mentioned, such as many trikes, motorcycles and jeepneys on the roads. The standard of living is also far less affluent than in the U.S., with a good living wage being US\$10.00 per day, or \$2600 per year. But the costs of living are very low. However, this is in the provinces, and not the major cities.

My own thoughts are that my experiences are different from most expats. I don't live in a condominium (which foreigners are encouraged to buy), nor in a city. I am not near any typical tourist destinations or attractions. I have a very large support family, with seven sisters (I call them the "pleiades") looking out for me. My neighbors are all supportive, and we share much of what we grow with them, and they share in return if they are able. We have parties for any occasion, with people coming from locations up to 100 miles away when quarantine restrictions are relaxed.

As for my personal activities, I work hard 4 or 5 hours during the cooler parts of the day, take a nap most afternoons, and have three delicious home cooked meals a day. I try and write a bit most days, and plan new projects for our farm. My health is excellent, and getting better every day from the regular exercise and good nutri-

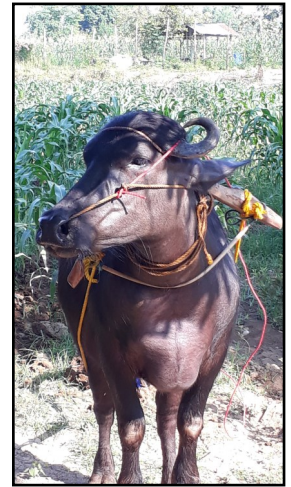
tion. I am not living the usual life of someone that is retired, but am having the greatest time in my life. I sincerely hope that all of you are doing as well. Write to me at KF7KTC@nevadalink.com if you have any questions or comments. I would love to hear from you.

73, Jon KF7KTC



**Plowing a corn (maize) field
(you could go Carabao mobileed)**

A carabao, a type of small water buffalo





Board of Directors Meeting Minutes

June 9, 2021 - 6:00PM

At Chin Chin plus Zoom

1. Call to order and roll call at 6:00 PM

Board of Directors:

Anthony Marcin, W7XM	NP	Barry Bettman, K6ST	P	John Miller, N7JDM	P
Bill Jones, AE7OX	NP	John Byerly, N7ROJ	P	Wes Vick, KG7QXE	NP
Jim Shepherd, W6US	P	Doug Edmondo, W7DBE	NP		

2. Approval of Minutes - Discussion/Action

May 2021 meeting minutes approved

3. Approval of Agenda - Discussion/Action

Agenda Approved

4. Reports

A. President's Report - None

B. Secretary Report – 435 Members, no other information.

C. Treasurer – May 2021 End of Month, Operating: \$9,011, Savings: \$11,518, Self Insurance: \$11,309, Paypal: \$1,685, Convention: \$4,295. Net Monthly \$548 net YTD: \$2,857. Memberships 20, Donations year to date \$705 (Amazon \$123, Members \$536, Paypal \$46)

D. Technical Team – Pat

Posted cost of repeaters – looks like a 60 day lead time on repeaters. Jim discussed which repeaters to do first. Virginia Peak and Toulon have to be done as a pair. Board moved to approve Virginia Peak and Toulon - \$5,110. The board approved the purchase.

E. Control Operators / Trustee

None

F. Events

Field Day Update – Going well computers etc ready to go. Discussed HF plans, June 13th meeting. Will review food list close to Friday the 25th. Reminder about signing up for Saturday dinner.

Barry mentioned to the Scout Leaders and some scouts may stop by and Field Day room on Ham Radio Night.

G. Education & Youth Activities

Communicating with a HAM Cub Scout Leader – would like to do something in October for Jamboree on the air. Kids day – nothing planned except advertising. Sent note to UNR club to touch base.

H. Noon Net - Noon Net Manager, John said going well, Wes not present.

5. Old Business

A. Members Only Website – No news

B. In person monthly meetings – No news

C. “Ham Fest” type of events – Sent another Email to Cabella's on HAM fest. Waiting to hear back.

6. New Business

Storage Facility – looking for a new facility as the current storage facility is too small. John Miller noted pricing for a facility near him.

7. Board member and Public Comments

John Byerley – None

John – Nothing

Jim – Nothing

Barry – Hand full of HAMS ask about the in person meetings. Thinking about restaurant style versus buffet style for in person meetings. Noon Net – good, DMR Net okay.

8. Adjournment - Action

A. Next Meeting: July 14th, 2021. Location Chin Chin and Zoom

B. Adjourned